

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

IMPROVED CENTRIFUGAL IMPELLER

the specification of which

(Check is attached hereto.
one)

_____ was filed on _____ as
Application Serial No. _____
and was amended on _____.
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56 and 1.63(d).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority
Claimed

| | | | | |
|----------|-----------|------------------------|-----|----|
| (Number) | (Country) | (Day/Month/Year Filed) | Yes | No |
|----------|-----------|------------------------|-----|----|

I hereby claim the benefit under 35 U.S.C. section 119(e) of any United States Provisional application(s) listed below:

Priority
Claimed

| | | | | |
|----------------------|--------------------------------------|---|-----|----|
| 60246485 (Number) | 11/07/2000 (Day/Month/Year Filed) | X | Yes | No |
|----------------------|--------------------------------------|---|-----|----|

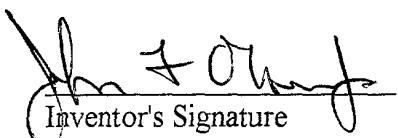
I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner proved by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56 and 6.63(d) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| | | |
|--------------------------|---------------|-----------------------------------|
| (Application Serial No.) | (Filing Date) | (Status) |
| | | (Patented, pending, abandoned) |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

John F. O'Connor, Jr.

Full name of sole or first
inventor



Inventor's Signature

United States of America
Date Citizenship

34 Deer Run Road, New Hartford, CT 06057
Residence Address

Same as above
Post Office Address

02/13/02
U.S. PTO

02-14-02 A

Please type a plus sign (+) inside this box →

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. PTO
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02/13/02

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration Submitted with Initial Filing
OR
 Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

| | |
|------------------------|---------------|
| Attorney Docket Number | |
| First Named Inventor | O'Connor, Jr. |
| COMPLETE IF KNOWN | |
| Application Number | / |
| Filing Date | |
| Group Art Unit | |
| Examiner Name | |

As a below named inventor, I hereby declare that: John F. O'Connor, Jr.

My residence, mailing address, and citizenship are as stated below next to my name.

34 Deer Run Rd, New Hartford, CT

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Improved Centrifugal Impeller

(Title of the Invention)

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

(if applicable).

Application Number and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? |
|--|--------------------------|----------------------------------|--|--|
| | | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| <input type="checkbox"/> Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. | | | | |
| I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below. | | | | |
| Application Number(s) | Filing Date (MM/DD/YYYY) | | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. | |
| 60246485 | 11/07/2000 | | | |

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number OR Correspondence address below

Name Russel H. Marvin CTO

Address Torrington Research Company (Assignee)

Address 89 Commercial Blvd

| | | | | | |
|---------|------------|-----------|--------------|-----|--------------|
| City | Torrington | State | CT | ZIP | 06790 |
| Country | USA | Telephone | 860-489-0489 | Fax | 860-482-2564 |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : A petition has been filed for this unsigned inventor

| | | | |
|---|---------|---------------------------|---------------|
| Given Name (first and middle [if any]) | John F. | Family Name or Surname | O'Connor, Jr. |
|---|---------|---------------------------|---------------|

| | | | |
|-------------------------|--|------|----------|
| Inventor's Signature | | Date | 10/25/01 |
|-------------------------|--|------|----------|

| | | | | | | |
|-----------------|--------------|-------|----|---------|-----|-------------|
| Residence: City | New Hartford | State | CT | Country | USA | Citizenship |
|-----------------|--------------|-------|----|---------|-----|-------------|

Mailing Address 34 Deer Run Road

Mailing Address

| | | | | | | | |
|------|--------------|-------|----|-----|-------|-----|---------|
| City | New Hartford | State | CT | ZIP | 06057 | USA | Country |
|------|--------------|-------|----|-----|-------|-----|---------|

NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

| | |
|---|---------------------------|
| Given Name (first and middle [if any]) | Family Name or Surname |
|---|---------------------------|

| | |
|-------------------------|------|
| Inventor's Signature | Date |
|-------------------------|------|

| | | | |
|-----------------|-------|---------|-------------|
| Residence: City | State | Country | Citizenship |
|-----------------|-------|---------|-------------|

Mailing Address

Mailing Address

| | | | |
|------|-------|-----|---------|
| City | State | ZIP | Country |
|------|-------|-----|---------|

Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.